



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090309-A

Mode: Highway

Status: Submitted

US-701 (Madison Street/Powell Boulevard)

From/Cross Street: SR 1166 (Pleasant Plains Road)

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1437 (Virgil Street)

Project Category: Regional Impact

Length: 2.18

TIP#: R-5020

Fully Funded in Draft STIP? No

Cost to NCDOT: \$18,086,000

Description:

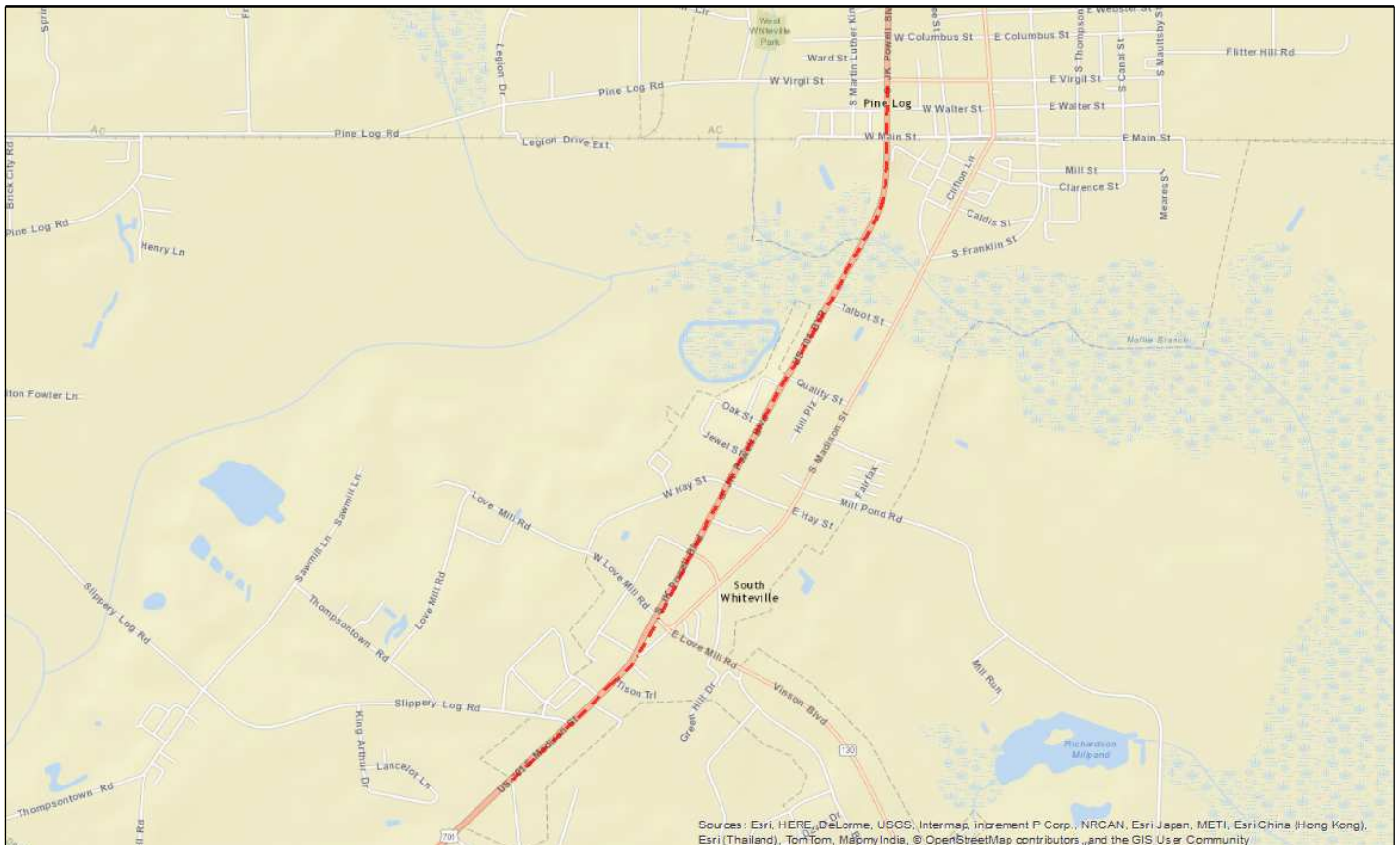
Widen to Multi-Lanes

Division(s): Division 6

County(s): COLUMBUS

MPOS(s)/RPO(s): Cape Fear RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 39.02

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 61.25	Percent: 15% Points: 0	Percent: 15% Points: 100
Safety (10%) 61.42		
[Travel Time] Benefit/Cost (25%) 3.87		
Accessibility / Connectivity (10%) 16.03		
Totals: Weight: 70% Weighted Score: 24.02		

Division Needs Total Score: 19.17

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 61.25	Percent: 25% Points: 0	Percent: 25% Points: 0
[Travel Time] Benefit/Cost (20%) 3.87		
Safety (10%) 61.42		
Totals: Weight: 50% Weighted Score: 19.17		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	2.18
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	11
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	16025.19
Capacity:	17533.31
Volume/Capacity Ratio:	0.91
% Autos:	96%
% Trucks:	4%
Truck Volume:	685.18
Crash Density:	70.97
Crash Severity:	63.41
Critical Crash Rate:	49.91
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	75
Actual Congested Speed:	40.71
Travel Time Index:	1.05

Project Benefits

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	2.18
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	3121950.61
Travel Time Savings for 30 Years (Autos):	2988467.38
Travel Time Savings for 30 Years (Trucks):	133483.23
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 6

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 6	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Cape Fear RPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$17,808,000	Cost Estimation Tool
Right-of-Way Cost:	\$248,000	Cost Estimation Tool
Utilities Cost:	\$30,000	Cost Estimation Tool
Total Project Cost:	\$18,086,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$18,086,000	